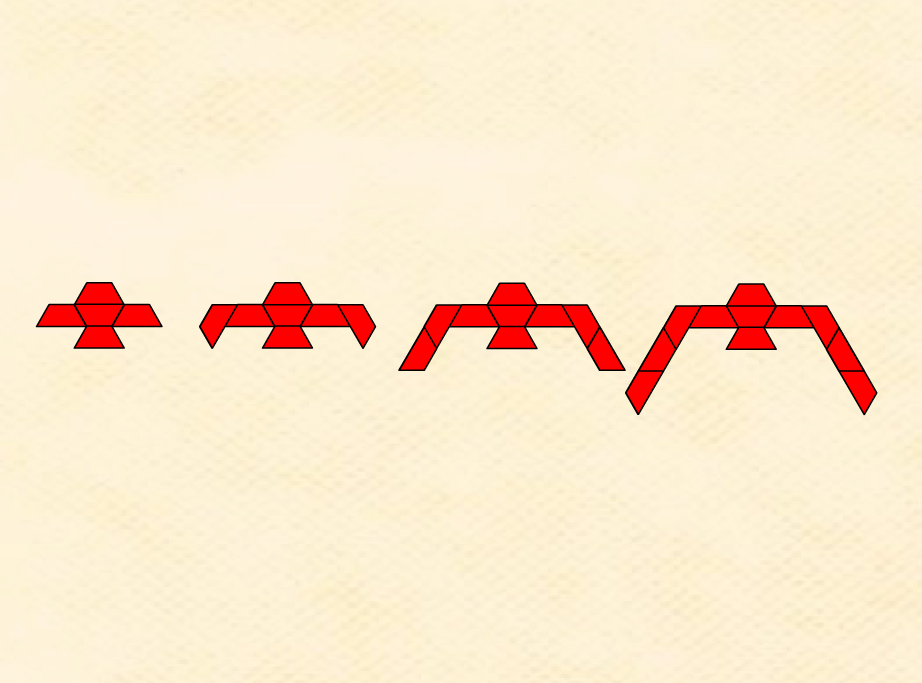
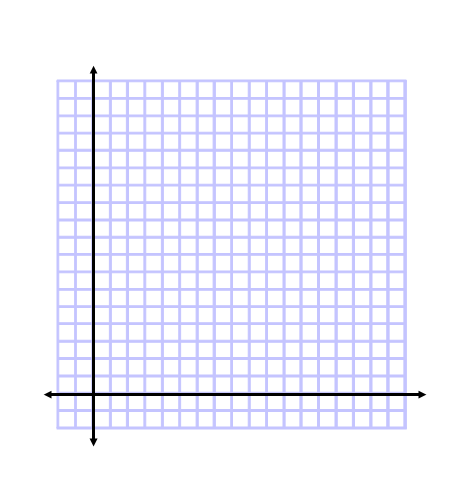
**Algebra 1B Name:**

**1.3 HW Date:**

**Analyze the pattern below. Try to answer the questions below independently, with no help:**

****

**Step 1 Step 2 Step 3 Step 4**

1. What is the **rate of change?**
2. How many shapes (trapezoids) will there be in **Step 0**?
3. So the **rate of change = \_\_\_\_\_\_** and the **starting amount = \_\_\_\_\_\_\_**
4. Write the **equation** for this pattern.
5. Show the relationship between the **step number** and the **total number of trapezoids** with a table/chart and then with a graph. Label your axes!